



In the framework of the activities of the PhD programme in Mathematical Sciences

Prof. **Joseph Ayoub**

Institute of Mathematics

University of Zurich

will offer a PhD course on

## **Motivic Galois Group and Anabelian Geometry**

### **Abstract**

*The goal of this course is to study the natural action of the motivic Galois group on the motivic completions of the fundamental groups of algebraic varieties. In particular, we will explain a proof of a motivic analog of a theorem of Pop characterising the motivic Galois group as the automorphism group of a certain diagram of pro-algebraic groups.*

### **Scheduling**

The course will be held at the Department of Mathematics, Via C. Saldini n.50 – Milano  
with the following scheduling:

Thursday **3, 10, 15 e 17 February 2022**

**from 2.00 pm to 6.00 pm**

Room: **Sala di Rappresentanza**